

Figure 1

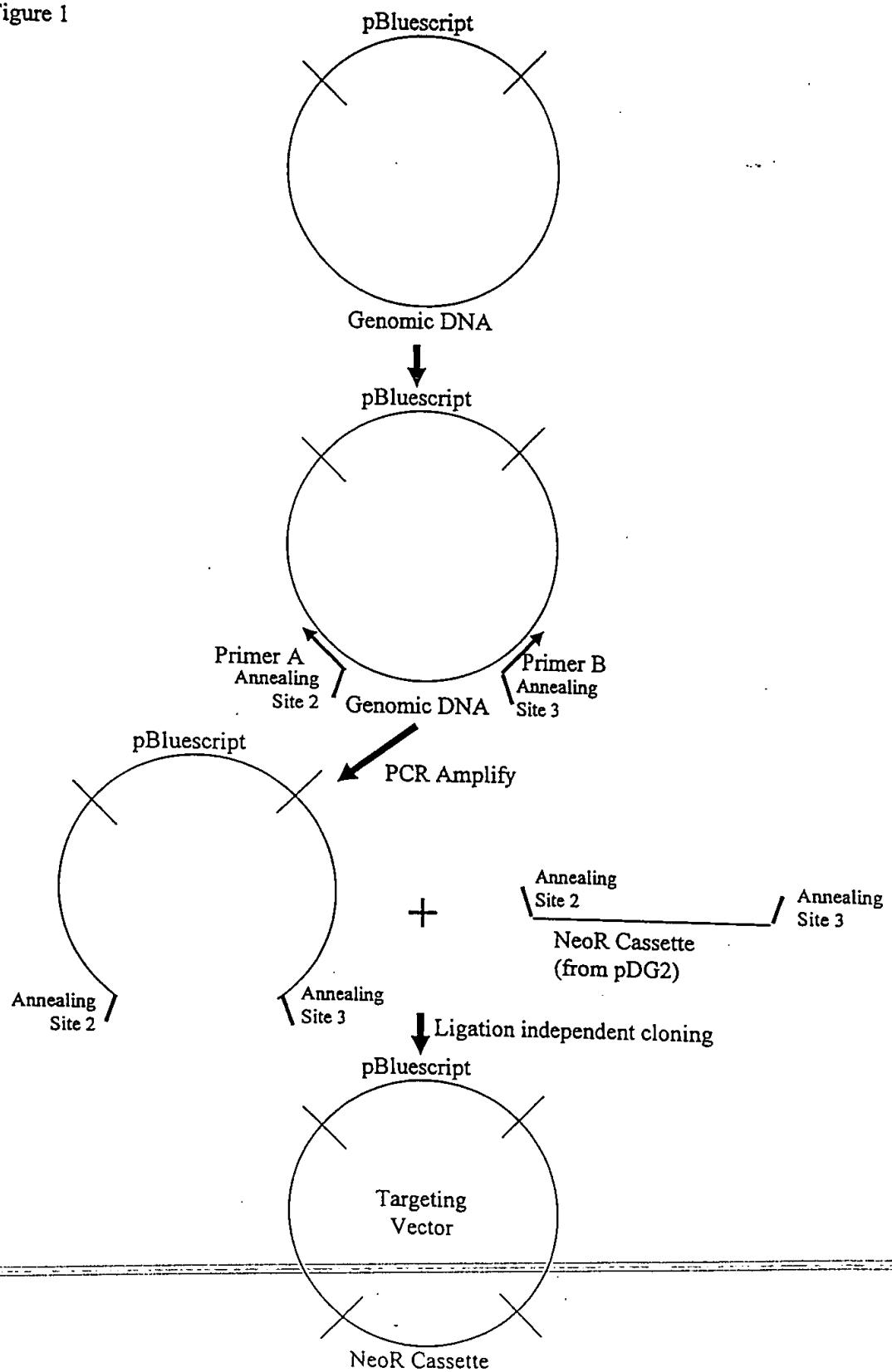
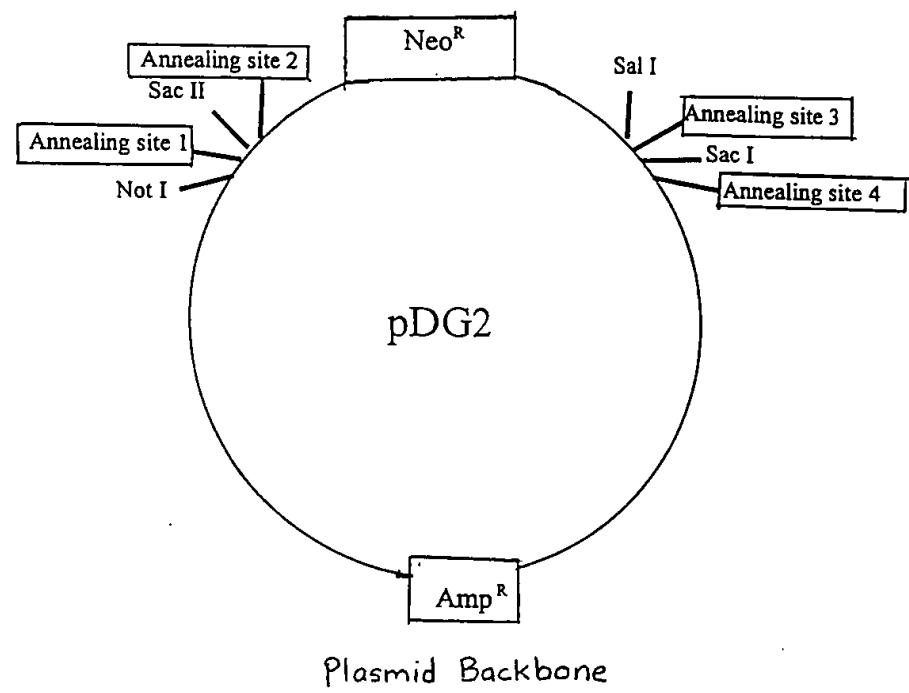


Figure 2A



PDG2:

Fig 2B

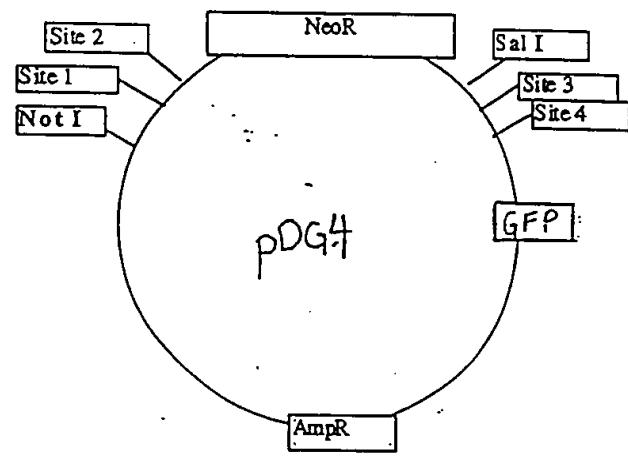


Fig 3A

pDG4:

Fig 3B

Annealing site	Sequence	Sequence after digestion
1	5' tgtgctcctttggcttgcttcaa... 3' 3' acacgaggagaaaccgaacgaaggtt... 5'	5' tgtgctcctttggcttgcttcaa... 3' 3' tt... 5'
2	5' ctggttcttgcgtggcttggcccaa... 3' 3' gaccaagaacagacaccgaaccgggtt... 5'	5' ctggttcttgcgtggcttggcccaa... 3' 3' tt... 5'
3	5' ggtcctcgctctgtgtccgttcaa... 3' 3' ccaggagcgagacacaggcaactt... 5'	5' ggtcctcgctctgtgtccgttcaa... 3' 3' tt... 5'
4	5' tttgcgtgtccctgtgtcgtaa... 3' 3' aaacgcacaggacacagcagctt... 5'	5' tttgcgtgtccctgtgtcgtaa... 3' 3' tt... 5'

Fig 4

Annealing site	Sequence	Sequence after digestion
1	5' AAtgtgctcctttggcttgcgttCCGC 3' 3' Ttacacgaggagaaaccgaacgaagg 5'	5' AA 3' 3' Ttacacgaggagaaaccgaacgaagg 5'
2	5' AAActggttcttgcgtggcttggcCCGC 3' 3' Ttgaccaagaacagaccgaaccggg 5'	5' AA 3' 3' Ttgaccaagaacagaccgaaccggg 5'
3	5' AAggtcctcgctctgtgtccgttGAGCT 3' 3' Ttccaggagcgagacacaggcaac 5'	5' AA 3' 3' Ttccaggagcgagacacaggcaac 5'
4	5' AAtttgcgtgtcctgtgtcgtcGAGCT 3' 3' Ttaaacgcacaggacacagcagc 5'	5' AA 3' 3' Ttaaacgcacaggacacagcagc 5'

Fig 5

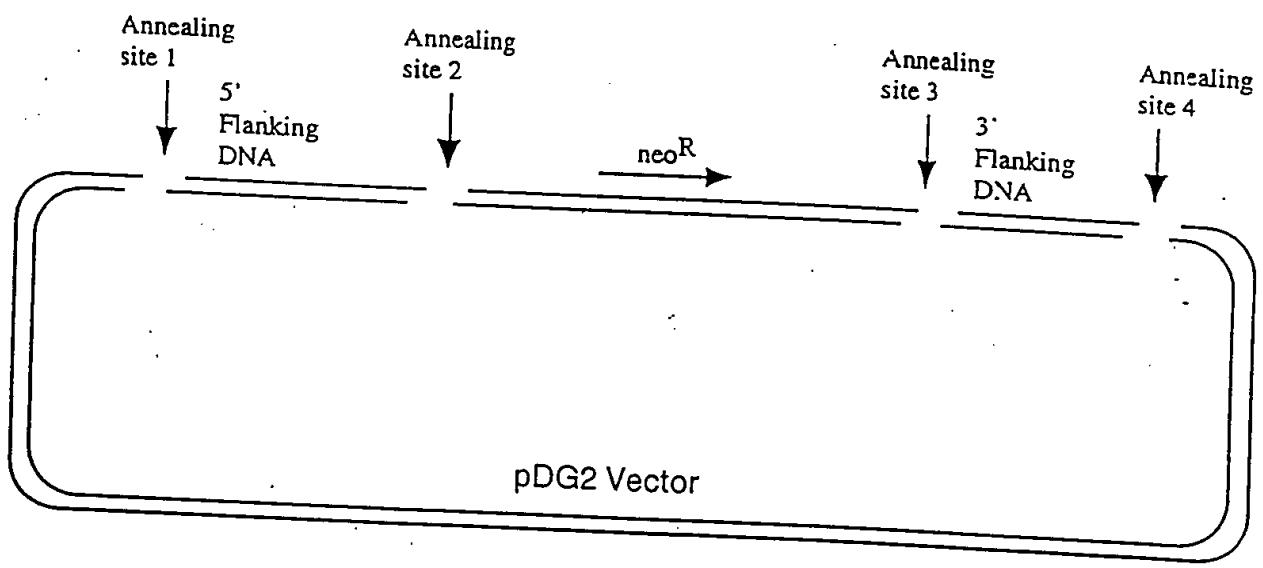


Fig 6

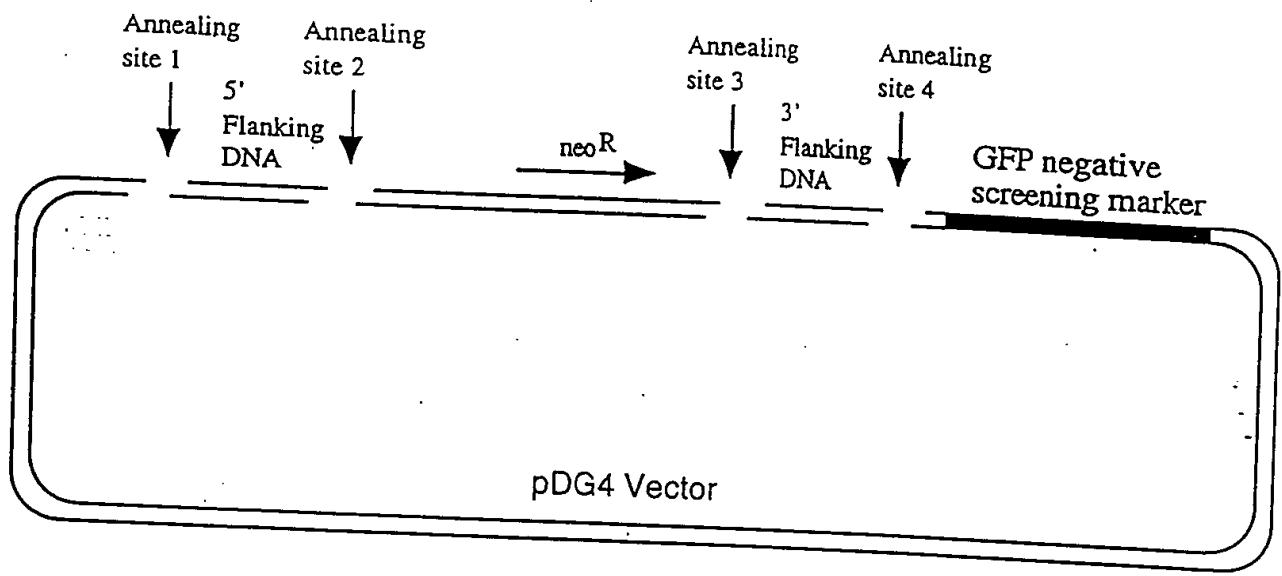


Fig 7

<u>Oligo#</u>	<u>Sequence (5' to 3')</u>
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgctcctttggcttgcgttccAATTAACCCTCACTAAAGGAAACGAAT
463	ctggttttgtctggcttggccaaTGCAACAGGTTTCCTGAGCGGTCA
464	ggtcctcgctctgtgtccgttgaacCCTCAAGCTGGCTACTATGCCTAT
42	tttgcgtgtcctgtgtcgaaCGACTAATACGACTCACTATAGGGCG
151	GCCAATGGACTCTTAGTTTGGAAC
155	GTTCTGGCAAACAAATTGGCGCAC
454	tgtgctcctttggcttgcgttccAATTAACCCTCACTAAAGGAAACGAAT
465	ctggttttgtctggcttggccaaGTTCCAAAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttgaatGCGCCGAATTGTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTTGTTC
41	tgtgctcctttggcttgcgttgaacCGACTAATACGACTCACTATAGGGCG
38	ctggttttgtctggcttggccaaGAAGTAACCTGGCACACCAAGGTT
40	ggtcctcgctctgtgtccgttgaAGAACAAAGGGTTCAGCCAAAGTTC
37	tttgcgtgtcctgtgtcgaaCTTAACCCTCACTAAAGGAAACGAAT
540	ATGCCGGATCTCCTACTACTGGGCC
546	TGTCATAGTAGACAGCGATGGAACG
445	GACAAGAACCAAGTTGACGTCAAGCTTCCGGGACGCGTGCTAGCGCGCGCG
667	ctggttttgtctggcttggccaaGGCCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttgaacCGTCCATCGCTGTCTACTATGACA
907	ctggttttgtctggcttggccaaAAAGCCGACAGCCACGCTCACAGC
908	ggtcctcgctctgtgtccgttgaacGCCAATGCCACAGAGACAGAATGT
1157	ctggttttgtctggcttggccaaGTTGGATCCTCTCCAAGGGCCCCATCT
1158	ggtcctcgctctgtgtccgttgaacCTCCAGTGCGAGTGTGTGGGACAG

Figure 8